

Takoma Park Eastern Avenue Water and Sewer Main Replacement

Project Status: 80% Design

Last Updated: January 19, 2017



Final Project Alignment

WSSC is currently deciding on the sewer installation method for this priority project. The Horizontal Directional Drilling (HDD) trenchless method and the open-cut replacement method are the remaining solutions under consideration. WSSC is no longer considering the jack-and-bore method due to the constructability conflict of installing house service connections through a steel casing pipe to the new sewer main. The jack-and-bore method involves installation of a larger-diameter steel casing pipe, followed by installation of the sewer main within the steel casing. Following engineering best practices, the jack-and-bore method is used only along sections of water or sewer main where there are not service connections.

Investigation of Horizontal Directional Drilling (HDD) Method

WSSC is soliciting design proposals for gravity sewer main to be installed utilizing HDD. HDD is an established technology for water main installations; however, recent improvements in the technology have made it suitable for use in gravity sewer installations due to the tighter control available on the vertical and horizontal alignment during installation to reduce the possibility of sags in the pipeline.

Outstanding Easement Appraisals

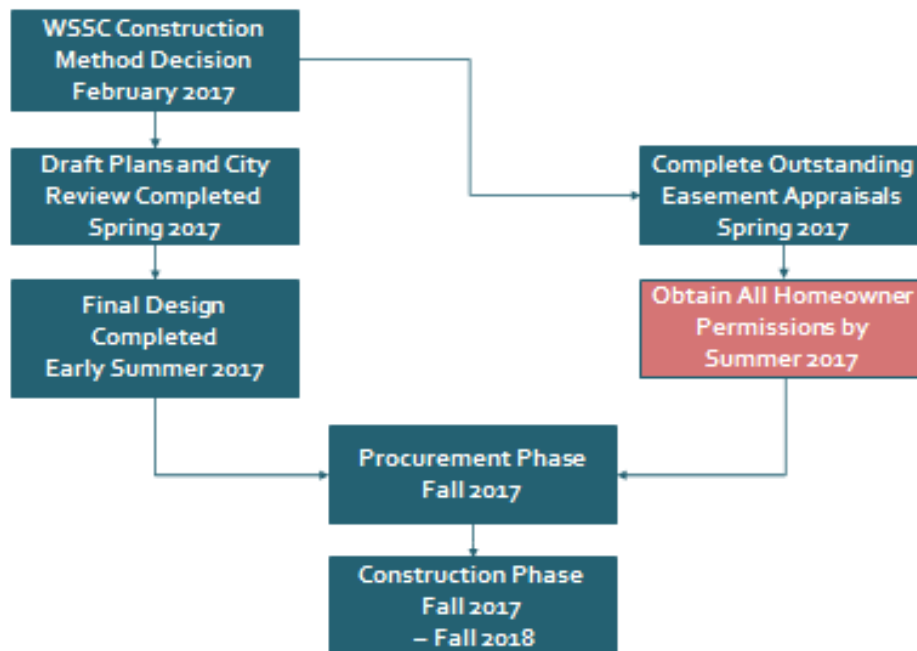
After the construction method is chosen for the backyard alignment, the design consultant will develop final permanent easement documents for the homeowners in the 6700 block of Eastern Avenue. The consultant will also prepare temporary easement documents for homes with tree impacts along

Westmoreland Avenue. WSSC's Land Unit will contact homeowners directly regarding the results of easement appraisals.

If the HDD construction method is selected, WSSC will request an additional temporary easement from the homeowner at 57 Walnut Avenue to create a path to feed pipe from Walnut Avenue into the receiving pit.

Project Timeline

The anticipated project timeline is below. The completion date for draft plans and easement appraisals is dependent on the selected construction method.



Project contact information, background information, and status updates can be found on the project webpage at <http://www.wsscwater.com/eastern>.